

SECTION 01560

GENERAL REQUIREMENTS

11/2002

PART 1 GENERAL

The work covered by this Section consists of performing all work required for the prevention of environmental pollution on Dobbins Air Reserve Base (ARB) during, and as a result of, construction operations under this contract except for those measures set forth in other Technical Provisions of these specifications. The control of environmental pollution requires consideration of the effects of the activities of the contractor on air, water, and land resources.

1.1 REFERENCES

The Contractor and his subcontractors shall comply with all applicable Federal, State, and local laws and regulations concerning environmental pollution control and protection, as well as the specific requirements stated elsewhere in the contract specifications.

1.2 SUBMITTALS

Submittals requirements for this section will be outlined in specific subsections.

1.3 NOTIFICATION OF NON-COMPLIANCE

Upon receipt of written notification on noncompliance from the Contracting Officer, the Contractor shall immediately take corrective action as directed by the Contracting Officer. If the Contractor fails or refuses to comply promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. All costs associated with the correction and suspension of work shall be the sole responsibility of the contractor.

1.4 SUBCONTRACTORS

The requirements of these specifications shall be included in any subcontract written under this contract. Compliance with the provisions of the specifications by subcontractors shall be the responsibility of the Contractor.

1.5 ENVIRONMENTAL PERMITS AND CERTIFICATIONS

The Contractor is responsible for obtaining all applicable environmental permits and certifications necessary to accomplish all work. Requirements for specific permits and certifications will be included in subsequent subsections.

1.6 ENVIRONMENTAL FINES AND PENALTIES

The Contractor agrees to indemnify the Government, its officers, agents, and employees against liability and costs associated with the intentional or negligent noncompliance of environmental laws, regulations, or requirements by the Contractor, its officers, agents, employees, or subcontractors to the extent such noncompliance arises out of the manufacture or delivery of supplies, services or construction by or for the account of the Government.

1.7 DEFINITIONS

1.7.1 Hazardous Material (HAZMAT): Any substance defined by OSHA as a hazardous substance requiring a Material Safety Data Sheet (MSDS), including, but not limited to any chemicals, paints, adhesives, sealing compounds, strippers, glues, petroleum products, natural or synthetic gases, pesticides, all aerosols, and all materials containing hazardous substances.

1.7.1 Solid Waste: Any material, liquid, gaseous or solid, that is deemed as waste because it is no longer needed, is excess, has exceeded its shelf life, is spill residue, has been abandoned, or is no longer usable for its intended purpose. Solid waste includes, but is not limited to: chemicals, contaminated clothing, empty containers, garbage, packaging, construction and demolition debris, refuse, and all other discarded materials that are generated during construction, residential, and commercial activities.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION

3.1 GENERAL ENVIRONMENTAL REQUIREMENTS

3.1.1 Open Burning

The Contractor is prohibited from open burning on Dobbins Air Reserve Base.

3.1.2 Vehicle Emissions

All light duty vehicles and trucks that the contractor, subcontractor or any of their personnel drives on base over sixty days in a calendar year shall be required to meet Georgia Rule 391-3-20 Enhanced Inspection and Maintenance. No vehicle will be given a pass for greater than sixty days unless it has proof of emission inspection unless the vehicle has a valid registration from one of the following Georgia counties: Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Paulding, or Rockdale.

3.1.3 Historical and Archeological Findings

If the Contractor believes he or she has discovered any item or area of historical or archaeological interest not specified in the contract during the completing of work, the Contractor shall leave the area undisturbed and immediately report the finding to the Contracting Officer.

3.1.4 Unidentified Materials

3.1.4.1 **Asbestos Containing Material (ACM):** If the Contractor believes they have discovered any ACM not specified in the contract during the execution of work, the Contractor shall stop work on the site immediately and notify the Contracting Officer.

3.1.4.2 **Lead-Based Paint (LBP):** If the Contractor believes they have discovered any LBP not specified in the contract during the execution of work, the Contractor shall stop work on the site immediately and notify the Contracting Officer.

3.1.4.3 **Polychlorinated Biphenyls (PCBs):** If the Contractor believes they have discovered a PCB containing item not specified in the contract during the execution of work, the Contractor shall stop work on the site immediately and notify the Contracting Officer. The Contractor shall not use or install any equipment containing PCBs on Dobbins ARB.

3.2 SOLID WASTE MANAGEMENT

The Contractor is authorized to generate or dispose of solid waste under the scope of this contract in accordance with this section.

3.2.1 References

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|--------------------------|--|
| a) Waste Management Plan | Dobbins ARB Waste Management Plan (December 2002 or Current) |
| b) Executive Order 13101 | Greening of the Government Through Waste Prevention, Recycling and Federal Acquisition (14 Sep 1998) |

3.2.2 Submittals

- 3.2.2.1: Landfill, Recycling Facility & Transporter Information
- 3.2.2.2: Weight Receipts for Solid Waste Disposed and Materials Recycled

3.2.3 Management of Solid Waste

3.2.3.1 The Contractor shall be responsible for collecting all solid wastes generated under the scope of this contract. All Construction and Demolition debris (C&D) is to be recycled either onsite or at a C&D recycling facility. C&D debris is prohibited from being landfilled. The Contractor shall segregate recyclable wastes (i.e. copper piping, asphalt, fluorescent lights, ballasts, concrete, lumber, plastics, ceiling tiles, all scrap metal, etc.). Non-recyclable solid waste generated under the scope of this contract is to be taken to an approved landfill.

3.2.3.2 The Contractor shall determine the location of the recycling and/or disposal facilities to be used for all materials recycled and/or disposed of which will be generated from the work performed under this contract, as well as their method of transport. Within ten (10) calendar days after the Notice to Proceed (NTP), the Contractor shall submit the Landfill, Recycling Facility & Transporter Information (Submittal 3.2.2.1) including name, address, and phone number for each of the chosen facilities and transporters to the Contracting Officer for approval.

3.2.3.3 The Contractor shall collect all solid wastes generated during the performance of the contract in a container/area provided by the contractor and approved by the Contracting Officer. The Contractor shall provide appropriate containers for the collection and segregation of solid wastes, recyclables, and C&D debris generated directly and indirectly by work under this Contract. The Contractor is prohibited from using base dumpsters or other waste receptacles for the disposal of any solid wastes. All solid wastes shall be reclaimed, recycled, or disposed of prior to completion of work on Dobbins ARB.

3.2.3.4 As proof of proper disposition of solid wastes, the Contractor shall provide legible Weight Receipts for Solid Waste Disposed and Materials Recycled (Submittal 3.2.2.2) bearing the name, address, and phone number of the receiving facilities for every load of materials delivered. The weight ticket shall detail the type of material, weight of the material in pounds, the date of the transaction, and a signature from a representative of the receiving facility. Receipts shall be submitted to the Contracting Officer within ten (10) calendar days after the transaction.

3.2.3.5 The Contractor is authorized to use the Base Recycling Center (Bldg. 560) to dispose of scrap metal and cardboard upon approval from the Contracting Officer. The Contractor is not required to provide Weight Receipts (Submittal 3.2.2.2) for materials delivered to the Base Recycling Center.

3.3 HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT

The Contractor is authorized to use hazardous materials under the scope of this contract in accordance with this section.

3.3.1 References

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|----|--------------------------|--|
| a) | DARB Instruction 32-7001 | Dobbins ARB Instruction: HAZMART Management Program(Feb 2001 or Current) |
| b) | HAZMAT Plan | Dobbins ARB Hazardous Materials Emergency Planning and Response Plan (May 2001 or Current) |

3.3.2 Submittals

- 3.3.2.1: Contractor Information Sheet(s)
- 3.3.2.2: Material Safety Data Sheets (MSDSs)
- 3.3.2.3: Substantiating Documentation for Use of Specific HAZMAT
- 3.3.2.4: HAZMAT Usage Log
- 3.3.2.5: Contractor's Field Location Sketch

3.3.3 HAZMART

The Contractor shall participate in the HAZMART program to the extent described in this contract. Participation shall include:

- a) Designation of a single individual who has experience and knowledge of HAZMAT issues;
- b) Provision of MSDSs for all HAZMATs to be used or stored on base;
- c) Limited storage of HAZMATs on base;
- d) Authorization of all HAZMATs used or stored on base with the HAZMART;

- e) Tracking daily usage of all HAZMAT used or stored on base;
- f) Implementation of Best Management Practices (BMPs) to prevent spills and other releases to the environment to meet NFPA, OSHA, and RCRA requirements;
- g) Participation in an accurate exit inventory of materials used on base at the end of the contract.

3.3.4 Authorization Process for HAZMAT usage on Base

3.3.4.1 Within ten (10) days of the NTP, the Contractor shall submit to the Contracting Officer a completed copy of the Contractor Information Sheet (Submittal 3.3.2.1) listing all HAZMATs to be used and approximate quantities to be used prior to beginning work. The Contracting Officer will provide a blank Contractor Information Sheet to the contractor at the preconstruction meeting. Within ten (10) days of the NTP, the Contractor shall also submit to the Contracting Officer one (1) legible copy of the most current MSDSs (Submittal 3.3.2.2) for each HAZMAT to be used during the performance of work under this contract for review and approval by the HAZMART. The HAZMART will review the MSDS and recommend approval or disapproval. If the HAZMAT is recommended for approval, the government will initiate the authorization process for the contractor. As soon as the authorization is completed, the Contractor may bring the HAZMAT onto Dobbins. The Contractor is prohibited from bringing HAZMATs onto Dobbins prior to receiving authorization to use the HAZMAT by the HAZMART.

3.3.4.2 Substantiating Documentation (Submittal 3.3.2.3) for the use of any HAZMAT required to complete work shall be submitted with the MSDS if the HAZMAT contains any of the following: Phosphates or Phosphate Compounds of any kind; EPA 17 Toxic Chemicals; Ozone Depleting Chemicals (ODCs); High Volatile Organic Compounds (VOCs); CERCLA 102(a) Extremely Hazardous Substances (EHSs); or Hazardous Air Pollutants (HAPs).

3.3.4.2.1 Substantiating documentation shall include a review of available, less hazardous HAZMAT options and all qualifying reasons why they cannot be used.

3.3.4.2.2 Without substantiating documentation and review of less hazardous options, approval for use of the HAZMAT may not be granted.

3.3.4.3 The Contractor shall maintain a current MSDS on base for each HAZMAT at the site where the HAZMAT is being stored or used, and shall make the MSDSs available for inspection upon request from the Contracting Officer.

3.3.5 Barcoding/Tracking HAZMAT

3.3.6.1 The Contractor shall contact the HAZMART (678-655-5021) between 0800 hours and 1400 hours within 1 hour of bringing approved HAZMAT onto the base for use to arrange for barcoding of all HAZMAT.

3.3.6.2 The Contractor shall bring all HAZMATs to the HAZMART (Bldg. 810) for barcoding, unless determined otherwise by the HAZMART Manager. The HAZMART manager will compare the HAZMATs to those listed on submittals 3.3.2.1: Contractor Information Sheet(s) and 3.3.2.2 Material Safety Data Sheets (MSDSs) to ensure they are exactly the same. If they do not match, the HAZMATs cannot be barcoded until authorized per paragraph 3.3.4.1. The HAZMART manager will then barcode each HAZMAT container. Barcodes shall not be destroyed, mutilated, covered, or otherwise made illegible to a barcode.

reader by the Contractor prior to the exit inventory for the HAZMAT. If additional HAZMAT is brought onto the base after initial registration, the Contractor shall contact the HAZMART and request barcoding immediately.

3.3.6.3 Unregistered HAZMAT (containers without a HAZMAT barcode) will be reported to the Contracting Officer upon discovery by any base personnel, and the Contractor may be directed to stop work and remove them from the base immediately until they are authorized and registered.

3.3.7 Tracking Usage of HAZMATs

3.3.7.1 Contractor shall maintain a daily Usage Log for each HAZMAT authorized and used on the project. A sample Usage Log will be provided at the preconstruction meeting.

3.3.7.2 The Usage Log shall indicate the barcode number and name of the material, the date used and the quantity used in units of measurement consistent with the volume units identified on the container (i.e. if the container is marked in ounces, the Usage Log shall indicate usage in ounces). The log shall also include dates of spillage or waste (when applicable).

3.3.7.3 HAZMATs that are used up shall be marked on the Log as "Empty" on the date it was used up. When empty containers have been generated, the contractor shall notify the HAZMART via telephone (678-655-5021) and shall provide the barcode number of the used materials. The contractor is responsible for ensuring all empty containers are removed from the base and disposed of (or recycled) in accordance with 01560 3.2 Solid Waste Management and 01560 3.8 Hazardous Waste Management.

3.3.7.4 The 3.3.2.4: HAZMAT Usage Log (Submittal 3.3.2.4) shall be made immediately available for review upon verbal request from the Contracting Officer. All usage logs shall be submitted to the Contracting Officer weekly (no later than Monday of the following week). Usage logs should only record one week's usage at a time.

3.3.7.5 The Contractor shall contact the HAZMART Manager to arrange an exit inventory to be completed by the HAZMART Manager as soon as HAZMATs are no longer needed on site and prior to disposal or transport off base. HAZMAT shall not be disposed of, or transported offbase, prior to the exit inventory.

3.3.8 HAZMAT Storage

3.3.8.1 The Contractor shall store all HAZMAT in a designated HAZMAT storage area. The Contractor shall anticipate receiving at least one assessment during the contract period to ensure their HAZMAT storage area is in compliance with HAZMAT storage requirements outlined in this section.

3.3.8.2 The Contractor shall ensure that all Best Management Practices in paragraph 3.3.9 of this section are in place while HAZMATs are being used or stored on base.

3.3.8.3 The Contractor shall provide secondary containment for all HAZMAT being stored and used on base. Secondary containment shall be chemically inert to the HAZMAT being stored and impervious to absorption of the HAZMAT. The containment volume shall not be less than 10% of the total quantity being stored or the equal quantity of the largest container being stored whichever is greater in volume. Separate secondary containment shall be provided for incompatible HAZMATs.

3.3.8.4 The location on Government Property of the Contractor's field office, storage and other facilities required for the performance of the work, shall be upon cleared areas of the job site, areas to be cleared, or other areas designated by the Contracting Officer. The Contractor shall submit a sketch Submittal 3.6.4.1 showing the location of the areas designated for temporary field offices, equipment storage, material storage and staging. The sketch shall be submitted for government review prior to commencement of work. The preservation of the landscape shall be an imperative consideration in the selection of all sites. No activity shall be conducted or storage permitted within the dripline of any tree without being depicted on the drawings and being approved by the Contracting Officer.

3.3.9 Best Management Practices (BMPs)

3.3.9.1 NFPA and OSHA required or specified flammable material and corrosive material storage lockers shall be used for the storage of all HAZMATs.

3.3.9.2 The Contractor shall ensure that the segregation of incompatible materials is accomplished at all times in his or her field office, storage, staging, and work areas.

3.3.9.3 Ensure the use of protective measures such as drop cloths and tarpaulins when using HAZMATs to keep the work and storage areas free from drips and spills.

3.3.9.4 Keep all containers closed when not in use. At the end of the workday, or when finished using any material, return the container to a proper storage area.

3.3.9.5 Do NOT store HAZMAT outdoors where it can be exposed to precipitation.

3.3.9.6 Follow all manufacturer's recommendations for storage and use of HAZMATs.

3.3.9.7 Ensure that all employees are given proper training in the use of the HAZMATs onsite and all personal protective equipment necessary for the use of HAZMAT on Dobbins ARB.

3.3.9.8 MSDSs for each HAZMAT being used are required by OSHA to be available onsite to employees. The Contractor shall have current copies available at all times where employees can access them in case of emergency.

3.3.10 Spill Control and Clean Up

The Contractor shall be responsible for the cleanup and disposal of all spilled materials whether or not they are HAZMATs. This includes all materials use to contain and absorb the spill. Spills of HAZMATs or Hazardous Wastes shall be managed in accordance with the current HAZMAT Plan for Dobbins ARB. Disposal of wastes generated from spill cleanup shall

be the contractors responsibility and be in accordance with paragraph 3.2 and 3.8 of this section.

3.4 STORM WATER POLLUTION PREVENTION

The Contractor is authorized to perform land disturbing activities and exterior facility work under the scope of this project. The project does not require a Georgia National Pollutant Discharge Elimination Standard (NPDES) general permit for construction activity.

3.4.1 References

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|----|---------------------------|---|
| a) | GA Rule 391-3-03k | Water Quality Standards |
| b) | GA Rule 391-3-7 | Erosion and Sedimentation Control |
| b) | Cobb County, Article VIII | Soil Erosion and Sedimentation Control |
| b) | Erosion Control Manual | Manual for Erosion and Sediment Control in Georgia (4th Edition 1996, or Current) |
| c) | Storm Water P2 Plan | Dobbins ARB Storm Water Pollution Prevention Plan (June 2001 or Current) |

3.4.2 Submittals

3.4.2.1: Project Specific Storm Water Pollution Prevention Plan

3.4.3 Storm Water Pollution Prevention Plan

3.4.3.1 The Contractor shall submit a project specific Storm Water Pollution Prevention Plan (SWPPP)(Submittal 3.4.2.1) for government review and approval prior to the start of work. The Contractor is prohibited from beginning land disturbing activities until the SWPPP has been approved by the Contracting Officer.

3.4.3.2 A General Construction SWPPP for Dobbins ARB is available to be used as a template for the Contractor to develop the Project Specific SWPPP. The Contracting Office will provide the template plan to the Contractor at the preconstruction meeting. The template is available in both electronic and hard copies.

3.4.3.3 The Project Specific SWPPP shall include the following:

- a) Base Project Information (Project Name, Project Number, Contact Information, Project Engineer, Project Inspector);
- b) Contractor Information (Contractor Name, Contact Information, Supervisor Name, Supervisor Contact Info.);
- c) Project Disturbed Area (acres);
- d) Certification Statement Provided and Contractors Signature;
- e) Erosion & Sedimentation Control Plan (1/2 Scale Project Drawings). If the Project Drawings do not include Erosion and Sedimentation Control Plans, the Contractor is responsible for generating a plan in accordance with Cobb County and State of Georgia Requirements;
- f) Erosion and Sedimentation Control Maintenance Procedures;
- g) Best Management Practices for Storm Water Pollution Prevention;
- h) Inspection and Monitoring Program

3.4.3 Storm Water Pollution Prevention Requirements

3.4.4.1 The Contractor shall comply with the government approved project specific storm water pollution prevention plan including all erosion control practices, best management practices, housekeeping, and storage requirements included within.

3.4.4.2 No fuels, oils, acids, wastes, or other materials shall be permitted to enter these water resources directly or through storm drain inlets in accordance with Georgia Rule 391-3-03k Water Quality Standards.

3.4.4.3 **The Contractor is prohibited from pouring ANY material down a storm drain.** Exceptions to this requirement may be granted by the Contracting Officer after a written request if the requested discharge is allowable under Dobbins permitting requirements.

3.4.4.4 If the Contractor believes he/she has encountered federally protected floodplains or wetlands not specified in the contract during the execution of work, the Contractor shall stop work on the site immediately and notify the Contracting Officer.

3.5 PETROLEUM OIL AND LUBRICANT (POL) USE AND MANAGEMENT

The Contractor is permitted to: fill vehicles or equipment on Dobbins with fuel; add oil or lubricant to vehicles or equipment; and to store and use gasoline, diesel, oil or hydraulic fluid under the scope of this project.

3.5.1 References

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|------------------------|---|
| a) Dobbins HAZMAT Plan | Dobbins Air Reserve Base Hazardous
Materials Emergency Response (HAZMAT) Plan
(May 2001 or Current) |
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3.5.2 Reserved

3.5.3 Hazardous Material Requirements

The Contractor is required to follow hazardous material requirements outlined in Paragraph 3.3 in addition to POL requirements outlined in Paragraph 3.5 for the following POL products.

- a) Gasoline
- b) Jet Fuel (JP-8)

3.5.4 Storage

3.5.4.1 The Contractor shall not store any quantity of fuel or other petroleum products in tanks or bladders larger than 5 gallons without government approval.

3.5.4.2 The Contractor shall provide and use secondary containment for storage of fuel and other petroleum products. Material used in the establishment of secondary containment shall be inert and impervious to the material being stored. Secondary containment shall be able to contain at least the contents of the largest container for which it is employed plus ten percent. Separate containment shall be provided for incompatible materials. If the tank and secondary containment are exposed to rainfall, the following additional requirements apply:

3.5.4.2.1 Sufficient freeboard shall be incorporated to ensure the containment will hold the complete contents of the tank plus ten percent plus 6" of rainfall.

3.5.4.2.2 Storm water drained off the secondary containment must be inspected and monitored before draining out of the containment. If POL is present, the water must be disposed of in accordance with the Dobbins Waste Management Plan and cannot be discharged to the environment.

3.5.4.2.3 Inspection and draining of any accumulated water shall be conducted at least once a week or after rain fall events.

3.5.5 Transfer Operations

In all transfer activities, the Contractor shall maintain segregation of incompatible materials.

3.5.6 Vehicle Capacity

The Contractor is prohibited from using any vehicle for the transportation of fuel or other POL products on Dobbins ARB with a total tank capacity of greater than 2,000 gallons per storage compartment.

3.5.7 Spill Control and Cleanup

The Contractor shall be responsible for the cleanup and disposal of all spilled POL products. This includes all materials use to contain and absorb the spill. The Contractor shall maintain a stock of spill cleanup material, e.g. absorbent material, on hand at all locations where fuel or petroleum products are stored and transferred. The Contractor's stock of spill cleanup materials shall be adequate to clean up the total amount of products being stored by the Contractor or the total amount being transferred by the Contractor. Spills of POL products shall be managed in accordance with the current HAZMAT Plan for Dobbins ARB. Disposal of wastes generated from spill cleanup shall be the contractors responsibility and be in accordance with paragraph 3.2 and 3.8 of this section.

3.6 LANDSCAPE PROTECTION

The Contractor is required to protect trees, shrubs, grass, and landscaping on Dobbins in accordance with this paragraph. Land resources shall be preserved in their present condition or be restored to original condition which existed at the commencement of work. The Contractor shall confine his work activities to areas defined by the specifications and/or drawings and to areas authorized by the Contracting Officer for other operations needed for the Contractor's performance.

3.6.1 References

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| a) Dobbins INRMP | Dobbins ARB Integrated Natural Resources Management Plan (INRMP) (Feb. 2001 or Current) |
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3.6.2 Submittals

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3.6.3 Protection of Existing Trees

3.6.3.1 Except in areas marked on the drawings to be cleared, the Contractor shall not deface, injure, or destroy trees or shrubs, nor remove or cut them without approval from the Contracting Officer. Trees designated as "to be saved" shall be protected from excavation or filling, storage and parking within the root zone closer than the normal drip line of the tree. No ropes, cables, or guys shall be fastened to or attached to any existing trees for anchorage unless specifically authorized by the Contracting Officer. Where such special emergency use is permitted, the Contractor shall first adequately wrap the trunk with a sufficient thickness of burlap, rags, etc., over which softwood cleats shall be tied before any rope, cable, or wire is attached. The Contractor shall be responsible for repair or replacement due to any damage resulting from such use.

3.6.3.2 Where trees may possibly be defaced, bruised, injured, or otherwise damaged by the Contractor's equipment or activities, to include the root structure within the dripline of the tree, the Contractor shall protect such trees by constructing barriers or placing boards, planks, or poles around them. Monuments, markers, and works of art shall similarly be protected before proceeding with activities near them.

3.6.4 Restoration of Damage to Landscape Features

3.6.4.1 Any trees, vegetation, or other landscape feature scarred or damaged by the Contractor's equipment or operations shall be restored to its original condition at the Contractor's expense. The Contracting Officer shall approve what manner of restoration shall be used, and whether damaged trees shall be treated and healed or removed and disposed of under requirements for clearing and grubbing.

3.6.4.2 All scars made on trees not designated to be removed, whether by equipment, contractor operations, or the removal of limbs greater than one inch in diameter, shall be coated as soon as possible with a tree wound dressing, unless otherwise directed by the Contracting Officer. All trimming or pruning shall be performed in a manner approved by the Contracting Officer. The use of axes or climbing spurs shall not be permitted. Trees that are to remain, either within or outside established clearing limits, that are subsequently damaged by the Contractor and are beyond saving shall be immediately removed and replaced by the Contractor as directed by the Contracting Officer.

3.7 AFFIRMATIVE PROCUREMENT

The Government requires the use of recycle-content and recovered materials and products identified in the EPA's Comprehensive Procurement Guideline (CPG). All materials and products intended for use within this project must meet the recommended minimum content standards identified in the current CPG and Recovered Materials Advisory Notices (RMANs). If a conflict exists between material specifications elsewhere and affirmative procurement requirements, the Contractor shall immediately notify the Contracting Officer.

3.7.1 References

- a) Executive Order 13101 Greening of the Government Through Waste Prevention, Recycling, and Federal Acquisition (14 Sep 1998)
- b) U.S. EPA's CPG & RMANs EPA's Comprehensive Procurement Guideline and Federal Register Recovered Materials Advisory Notices. (Currently located at www.epa.gov/cpg)

3.7.2 Submittals

3.7.2.1 Certification of Compliance

3.7.3 Certification

3.7.3.1 The Contractor shall provide a written Certification of Compliance Submittal 3.7.2.1 for compliance with Executing Order 13101. The certificate shall be signed by the contractor and shall have the following:

- a) The following certification statement: *"I certify that products and materials used on Dobbins ARB Project Number <Insert Project Number> comply with recommended minimum content standards for recycled materials outlined in Executive Order 13101. Construction materials used on this project contain minimum recycled content outlined in the most current Comprehensive Procurement Guidelines and Recovered Material Advisory Notices"*
- b) Itemized list of the construction materials and products used for the contract covered under this section including manufacturer, vendor, and percent recycled content or the approved exemption for noncompliance.
- c) Supporting documentation for approved exemptions on products used in the project that do not meet CPG requirements.

3.7.3.2 The Certification requirement above shall cover at a minimum the following construction materials and products:

- a) Product1 *(To be inputted during design)*
- b) Product2 *(To be inputted during design)*

3.8 HAZARDOUS WASTE MANAGEMENT

The Contractor is permitted to generate Hazardous Waste (HW) under the scope of this project. The Contractor shall comply with Federal, State, and Local regulations with regard to Hazardous Waste management and disposal as well as the Base Waste Management Plan as described in this section.

3.8.1 References

- a) RCRA Resource Conservation and Recovery Act (RCRA); 40 CFR Parts 260-271
- b) Waste Management Plan Dobbins ARB Waste Management Plan (December 2002 or Current)
- c) Dobbins HAZMAT Plan Dobbins ARB Hazardous Materials Emergency Planning and Response (HAZMAT) Plan (May 2001 or Current)

3.8.2 Submittals

- 3.8.2.1 Project Specific Hazardous Waste Management Plan
- 3.8.2.2 Analytical Results for Waste Samples
- 3.8.2.3 Copy of Initial EPA Form 8700-22, Uniform Waste Manifest and subsequent copies signed by receiving Treatment, Storage, and Disposal Facility (TSDF)

3.8.3 Project Specific Hazardous Waste Management Plan

Prior to any activity that results in the generation of HW, the Contractor shall submit for approval of the Contracting Officer a project specific plan for HW management (Submittal 3.8.2.1) describing how the Contractor plans on meeting requirements for containerization, labeling, storage, secondary spill containment, signage, accumulation time, inspection schedules, transportation, and disposal. The Plan shall include the location and Layout of the Satellite Accumulation Point(s) (SAPs) established for the temporary storage of HW; the name of the designated person responsible for activities and inspections of the satellite accumulation point; and the procedures to be followed to ensure compliance with all Dobbins requirements regarding SAPs.

3.8.4 Hazardous Waste Generation/Storage

Satellite Accumulation Points (SAPs) for generating hazardous waste shall be managed in accordance with the Dobbins ARB Waste Management Plan. Specific requirements for Contractors are in the plan. The following list outlines some, BUT NOT ALL, of the Contractors requirements regarding SAPs.

- a) An Accumulation Point Manager (APM) must be appointed;
- b) A single waste stream can be generated for each SAP;
- c) An accumulation log must be maintained for each container;
- d) Weekly inspections of the SAP by the APM;
- e) Containers shall be in good condition, labeled properly, and securely closed at all times;
- f) Containers shall be moved to the 90-day accumulation site (Bldg. 748) within 3 days of the date that the wastestream exceeds 55 gallons in the SAP.

3.8.5 Hazardous Waste Transfer

The Contractor is responsible for transferring containers of hazardous waste from SAPs managed by the contractor to the 90-day accumulation site (Bldg. 748) on Dobbins ARB. Waste transfer shall be handled in accordance with the Dobbins ARB Waste Management Plan. Specific requirements for Contractors are in the plan. The following list outlines some, BUT NOT ALL, of the Contractors requirements regarding waste transfer.

- a) Waste transfer is the sole responsibility of the Contractor;
- b) Waste transfer shall be coordinated with the Hazardous Waste Manager in Civil Engineering (CE);
- c) Accumulation logs must accompany containers transferred to the 90-day site;
- d) HW shall not be stored at the 90-day site for longer than 90 days from the date the waste was initially turned in;

3.8.6 Hazardous Waste Disposal

3.8.6.1 Waste Characterization

Prior to the disposal of any waste, a waste characterization (profile) shall be completed by the Contractor for each wastestream to determine the characteristics of the wastestream. Characterizations can be completed using documentable generator knowledge or by analyzing a sample of the wastestream for waste characteristics. This profile must be signed by the Base Environmental Coordinator (BEC).

3.8.6.2 Sampling

3.8.6.2.1 When required to characterize a wastestream, the Contractor shall have the wastestream sampled by personnel knowledgeable in all required federal, state, and local regulations and protocols for taking legally defensible samples. Samples shall be taken from the wastestream no later than seven (7) days after it is generated. Samples shall be analyzed for the following parameters:

- a) Flashpoint- Closed cup;
- b) pH- for aqueous liquids;
- c) Reactivity- for cyanide or sulfide reactives;
- d) TCLP- for Volatiles and Semi-Volatiles;
- e) TCLP- for Metals.

3.8.6.2.2 Analytical samples shall be submitted to the Contracting Officer (Submittal 3.8.2.2) no later than ten (10) days after receipt by the Contractor. The Contractor shall ensure that the laboratory used is accredited by the American Association for Laboratory Accreditation- Environmental and is also accredited by the State of Florida. The Contractor shall also ensure that the laboratory can provide analytical results in a reasonable amount of time.

3.8.6.3 Documentation Requirements

3.8.6.3.1 Prior to the removal of any HW from Dobbins ARB, the Contractor shall prepare an EPA Form 8700-22, Uniform Hazardous Waste Manifest. The manifest shall be prepared as follows:

- a) For signature of the BEC as generator;
- b) Using Dobbins ARB EPA Generator ID number;
- c) Containing accurate container weights and Department of Transportation (DOT) information;
- d) Accompanied by a complete and accurate Land Disposal Restriction Form (LDR).

3.8.6.3.2 A copy of the manifest shall be submitted to the BEC at least three (3) days prior to removal of HW from Dobbins ARB (Submittal 3.8.2.3) for review. Any corrections identified by the BEC shall be made by the Contractor prior to waste pick up.

3.8.6.3.3 At pick-up, the manifest shall be signed by the HW transporter and the BEC (as the generator). The generator copy of the manifest and a copy of the LDR shall remain with the BEC.

3.8.6.3.4 The Contractor shall ensure that the owner or operator of the Treatment, Storage, and Disposal Facility (TSDF), designated on the manifest to receive the waste, signs the manifest and returns the signed copy to Dobbins no later than 35 days after the date the waste was transported off base (date of manifest).

3.8.7 Spill Control and Cleanup

In the event of any spill of hazardous waste, the Contractor shall immediately notify the Base Fire Department (911 or x4840) in accordance with the Dobbins ARB HAZMAT Emergency Response Plan. The Contractor shall attempt to control the spill by limiting the spill area and by stopping the spill source if possible. The Contractor is responsible for all spills occurring at SAPs managed by the Contractor.

3.9 PESTICIDES

Use of pesticides under the scope of this project is authorized provided the Contractor complies with requirements outlined within this paragraph.

3.9.1 References

- a) Pest Management Plan Dobbins ARB Integrated Pest Management Plan
(April 2001 or Current)

3.9.2 Submittals

3.9.2.1 Pesticide Applicator Certification

3.9.2.2 Pesticide Usage Report

3.9.3 Approval

All pesticides ,herbicides, insecticides, and rodenticides are hazardous materials. Therefore all requirements concerning Hazardous Material (HAZMAT) review and approval outlined in Paragraph 3.2 of this section apply to pesticides to be used on this project in addition to requirements of Paragraph 3.9. Additionally, a copy of pesticide labels to be used under the scope of this project shall be included with HAZMAT Submittals 3.3.2.1 and 3.3.2.2.

3.9.4 Applicator Certification

Application of all pesticides shall be accomplished by certified pest control personnel or under the supervision of a certified pest control operator. The Contractor shall submit personnel certification (Submittal 3.9.2.1) with HAZMAT Submittals 3.3.2.1 and 3.3.2.2. Certifications shall be from the State of Georgia and shall be valid through duration of work to be accomplished under this contract.

3.9.5 Usage Report

The Contractor shall submit a usage report Submittal 3.9.2.2 no later than seven (7) days after pest control applications are completed for the project. The usage report shall include, as a minimum:

- a) Name, address, and phone number of Contractor;
- b) Name of the applicator;
- c) Building, facility, or area treated;
- d) Target pest(s) to be controlled;
- e) Pesticide Name and EPA Number;
- f) Active Ingredient Applied in pounds;
- g) Date of the application.

3.9.6 Disposal

The Contractor is prohibited from disposing of excess pesticides on Dobbins ARB in base dumpsters or down sanitary, industrial, or storm drains. The Contractor is responsible for disposing of pesticides and pesticide waste in accordance with Paragraphs 3.2 and 3.8 of this section. Excess pesticides may be applied on Dobbins if a written request to do so is approved by the Contracting Officer.

3.10 RADIOACTIVE MATERIALS (RAM)

The use of equipment and tools containing RAM under the scope of this project is authorized provided the Contractor complies with requirements outlined within this paragraph.

3.10.1 Reserved

3.10.2 Submittals

3.10.2.1 RAM Items List

3.10.2.2 RAM Permit and Training Certification

3.10.2.3 Radiation Emitters List

3.10.3 RAM Containing Items List

3.10.3.1 The Contractor shall submit for approval of the Contracting Officer a list of all permitted and non-permitted items containing RAM (Submittal 3.10.2.1) that shall be used in the performance of this contract. The following information shall be provided for each item on the list:

- a) Item Nomenclature;
- b) Item Number;
- c) Radioactive Isotope;
- d) Activity in picocuries (pCi);
- e) How the item is to be used;
- f) MSDS.

3.10.3.2 The Contractor shall submit a copy of the permit and certification of required training to manage the permit Submittal 3.10.2.2 for each permit required item to the Contracting Officer.

3.10.4 Radiation Emitters

The Contractor shall submit for the approval of the Contracting Officer a list of all ionizing, non-ionizing, and laser emitters that will be used in the performance of the contract (Submittal 3.10.2.3). The following information shall be provided for each emitter:

3.10.4.1 Ionizing Emitters:

- a) Item Nomenclature;
- b) Quantity;
- c) Operating Power (kVp and mA);
- d) Source Material;
- e) Manufacturer's Hazard Distances.

3.10.4.2 Non-Ionizing Emitters:

- a) Quantity;
- b) Operating Power (Range and Normal);
- c) Operating Frequency (Range and Normal);
- d) Wave Type (Continuous or Pulsed);
- e) Manufacturer's Hazard Distances.

3.10.4.3 Laser:

- a) Quantity;
- b) Source Material*;
- c) Manufacturer's Health Hazard Statement*;
- d) MSDS*.(* For Class 2, 3, and 4 Only)

3.11 FLUORESCENT LIGHT BULBS, HIGH INTENSITY DISCHARGE BULBS AND BALLASTS

The disturbing, removing, replacing, and disposal of fluorescent or High Intensity discharge (HID) lamps or ballasts is authorized under the scope of this project provided the Contractor complies with requirements outlined

within this paragraph.

3.11.1 Reserved

3.11.2 Reserved

3.11.3 Fluorescent Light Ballasts

3.11.3.1 Fluorescent light ballasts manufactured after 1979 that do not contain PCBs are marked by the manufacturer with the words "No PCBs". If a fluorescent light ballast is not marked with the words "No PCBs" it shall be considered to contain PCBs.

3.11.3.2 Non-PCB ballasts shall be recycled by the contractor. The Contractor shall provide containers for the collection of these ballasts, and the Contractor shall carefully place all ballasts in these containers and close the lid securely. The labels on the containers shall be left intact, unmarked, uncovered, and otherwise completely legible. The labels shall state "Universal Waste Ballasts".

3.11.3.3 PCB-containing fluorescent light ballasts that are intact and non-leaking shall be recycled by the Contractor. The Contractor shall provide containers for the collection of these recyclable materials. The Contractor shall carefully place these ballasts into the containers provided, and shall tightly close the container when it is full. The labels on the containers shall be left intact, unmarked, uncovered, and otherwise completely legible. The labels shall state "Universal Waste Ballasts-PCBs". The Contractor shall manage these materials in accordance with Chapter 3.8 as if these materials were hazardous waste.

3.11.3.4 PCB-containing light ballasts that were not previously identified as leaking but are discovered by the Contractor to be leaking prior to removal from fixtures shall cause the Contractor to stop work on the site and immediately notify the Contracting Officer.

3.11.3.5 PCB-containing fluorescent light ballasts that have been damaged by the Contractor (made to leak) shall cause the Contractor to stop work on the site immediately and notify the Contracting Officer. The Contractor shall carefully place the damaged ballasts into steel UN stamped drums approved by DOT for shipping Hazardous Waste and shall securely close the lids. The ballasts shall then be transported off base by the Contractor and incinerated at an off base facility by the Contractor in accordance with 40 CFR 761.75 and in accordance with Chapter 3.8 Hazardous Waste Management.

3.11.4 Fluorescent Light Tubes and High Intensity Discharge (HID) Lamps

3.11.4.1 All fluorescent tubes and HID lamps that are removed as part of this work shall be removed intact and recycled by the Contractor to be handled as "universal waste lamps". The Contractor shall provide containers for the collection of these recyclable materials. The Contractor will carefully place all light tubes and/or lamps in these containers, keep the lid securely closed at all times, and protect the containers from precipitation. Containers shall be labeled in accordance with State Universal Waste requirements for storage and shipping. The labels shall state "Universal Waste Fluorescent Lamps" or "Universal Waste HID Lamps". These two materials must be collected separately.

3.11.5 Fluorescent light tubes and HID lamps that accidentally are broken are solid wastes. The Contractor shall manage any solid wastes generated by the Contractor in the manner specified in Paragraph 3.2 of this Section.

3.11.6 It is imperative that the Contractor does not discard fluorescent light tubes or HID lamps on base in dumpsters or other debris collection containers, and shall take appropriate actions to manage them properly.